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# Statistics for the Professional

Nova University

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NOVA UNIVERSITY

CENTER FOR COMPUTER-BASED LEARNING

STATISTICS FOR THE  
PROFESSIONAL

# STATISTICS

# **An online course in Statistics, using the V**

## **With special focus in either of four fields (I**

### **the health professions, or education)**

Statistics plays an important role at all levels of our society—in banking, insurance, investments, law, research, and in engineering quality control. Each decision in these fields involves taking risks that can be controlled by using the proper statistical tools.

This online UNIX-based course in statistics has been designed to give you the experience to handle statistics with confidence.

#### **Taken from your home:**

You can take this course in statistics directly from your home. You will need a terminal or personal computer with appropriate communications software. You can start the course at any time and proceed at your own pace.

#### **To improve your skills:**

You have only to access the online course. A computer assisted set of online lessons will help get you through the course in a planned and user-friendly fashion. You will also have access to computer conferences and online discussions with experienced professionals in the field of statistics who are trained to work closely with students online.

#### **Emphasizing practical experience:**

You will get "hands-on" experience by analyzing an online archive of datasets and also get to treat your own data. Each lesson will guide you, advising you which analysis to perform, helping you to interpret the results you will see on your screen.

#### **Features of the course:**

- You start when you want.
- Dial a local Tymnet number to connect to NOVA's computer, a VAX 11-780, using the UNIX operating system.
- Access an online tutorial on the statistical system S. S is the statistical package developed by Bell Laboratories for UNIX. It has extensive capabilities for collecting, analyzing and plotting data. The lessons on S combine tutorials with a set of instructions that take you through the S system in a clear and concise way.

# IX 11-780 and BSD 4.2 UNIX\*.

## business, engineering,

### Topics:

The tutorial covers the following topics:

- collecting and analyzing data
- using graphics and plots
- performing basic statistics (mean, variance)
- analyzing data samples and performing basic tests
- performing multivariate statistics (regression, analysis of variance, cross classification, factor analysis, discriminant analysis)

### Instructor:

The course is taught online by national consultant Jacques Levin, Ph.D., Nova University, Center for Computer-Based Learning.

### Format:

- Computer-assisted instruction online
- Computer conferences and online discussions
- Electronic mail

### Objectives:

Participants who complete the course will have the following capabilities:

- Competency in collecting and analyzing data using S.
- Competency in collecting samples and performing tests.
- Competency in basic statistics.
- Competency in multivariate statistics.

Textbook: "S An Interactive Environment for Data Analysis and Graphics," by Richard Becker and John Chambers.



"taken from  
emphasizi



### **Registration and Credit:**

**Non-Credit:** The \$395 fee covers instructional consultation and computer-assisted instruction. Students can purchase online time as needed in 10 hour packets at \$10.00 per hour. This hourly charge includes access through Tymnet when dialed through your local Tymnet number. Any toll charges that are needed for a student to gain access to Tymnet must be paid by the student to his or her local telephone company.

Access to Nova's mainframe computer through Tymnet is from 6 PM to 7 AM Mon.-Thur. and from 6 PM Fri.-7 AM Monday. This is local time for the point of origin of the call.

The course may be taken for credit. Information on "for credit" registration is available by writing or calling:

### **Nova University**

Center for Computer-Based Learning

Rm 308 Parker Building  
3301 College Avenue  
Fort Lauderdale, FL 33314  
**305-475-7047**



*your own home ... to improve your skills ...  
g practical experience."*

# REGISTRATION FORM

**YES,** please register me for the statistics course.

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_

STATE \_\_\_\_\_

ZIP \_\_\_\_\_ PHONE \_\_\_\_\_

SS# \_\_\_\_\_

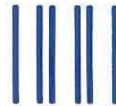
The Center for Computer-Based Learning offers courses in:

- ☐ Computer Simulation (GPSS)
- ☐ Database Management Systems
- ☐ Statistics
- ☐ UNIX courses

Degree Programs offered through the Center are:

- ☐ Doctor of Education in Computer Education
- ☐ Doctor of Arts in Information Science
- ☐ Doctor of Arts in Training and Learning Technology
- ☐ Educational Specialist in Computer-Based Learning
- ☐ Master of Science in Computer-Based Learning

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**Nova University** is located in Fort Lauderdale, Florida. It is a nonprofit institution that is not tax-supported. Nova is a university for all ages; it offers courses of study leading to bachelor's, master's, and doctoral degrees as well as preschool through high school programs at its University School. Unusual among educational institutions, Nova University offers programs not only on its main campus in Fort Lauderdale, but throughout the State of Florida, across the United States, and in several foreign countries. In addition to its educational programs, the University provides community services and conducts research in a variety of fields.

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